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OPTICAL DISK
HITACHI LTD

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Abstract:

PROBLEM TO BE SOLVED: To provide a stuck optical disc diminished in properties to become mechanical problems after stuck without changing a sticking process by sticking substrates different in thickness after adjusting their thicknesses to a specified range according to stress and strength difference.

SOLUTION: When two substrates, at least one substrate of which has an optical spot guiding groove and/or an uneven pattern consisting of address pits and emboss pits for recording information or the like on the surface, are adhered to each other to obtain the optical disk, the thickness of one substrate is made different from that of the other substrate in 5-100 microns thickness. Such a range can be made wider, that a radial tilt can be made smaller in the case that the substrates different in the thickness are used than in the case that the substrates having the same thickness are used. In order to make the substrates comparatively different in the thickness by using the same die, for example, the die is fastened by different pressures after resin is injected at injection molding.

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